SONY

3-798-356-71(1)

Mini Hi-Fi Component System

Operating instructions ——— Eng

Bedienungsanleitung ——— D

COMPACT disc DIGITAL AUDIO

MHC-501

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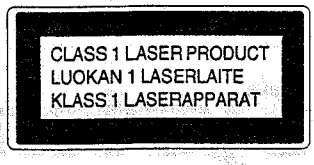
WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

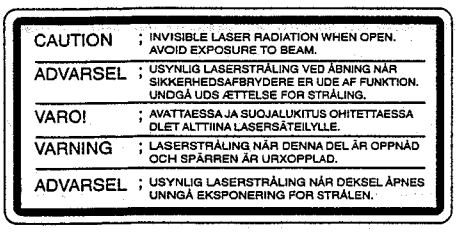
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.


CAUTION ; INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
ADVARSEL ; USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDS ÆTTELSE FOR STRÅLING.
VARO! ; AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA LASERSÄTEILYLLE.
VARNING ; LASERSTRÅLING NÄR DENNA DEL ÄR OPPNAD OCH SPÄRREN ÄR URXOPPLAD.
ADVARSEL ; USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN.

This caution label is located inside the unit.

Welcome !

Thank you for purchasing the Sony Mini Hi-Fi Component System. This stereo system is packed with fun features. Here are just a few:

- DBFB (Dynamic Bass Feedback) system that boosts low frequency range audio to provide deep, powerful bass through the two-way bass reflex speakers
- A preset feature, that lets you store and recall up to 40 of your favourite radio stations
- A preset equalizer that lets you adjust the audio quality to fit three music types
- A timer that lets you set the CD player, tape player or radio to turn on and off whenever you want
- A dual tape deck that lets you record from the radio, CD player or from the other tape deck and relay play from both decks
- A remote that lets you control the music from your seat

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Chapter 1: Setting Up

Connecting the Stereo

Inserting the Batteries

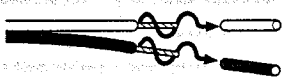
Setting the Clock

Connecting the Stereo

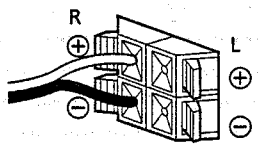
Use the illustrations below to connect your stereo.

STEP 1 Connecting the Speakers

1 Twist the speaker cable coating and strip it from the end of the cable.

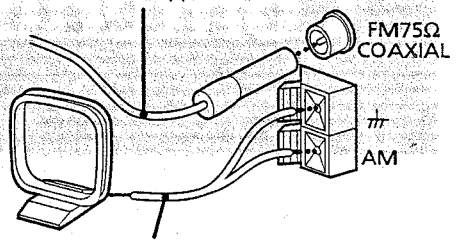


2 Connect the right speaker to R connectors and the left speaker to L connectors.



STEP 2 Connecting the Aerials

FM lead aerial (supplied)*

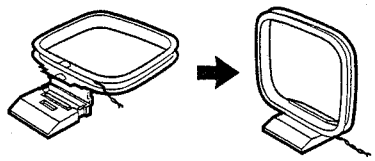


AM loop aerial (supplied)

* Note: Extend it horizontally

AM loop aerial connection

Connect the supplied loop aerial to the AM and the ⏚ terminals.

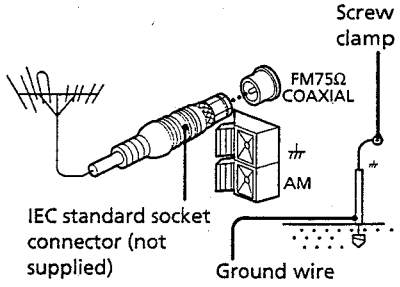


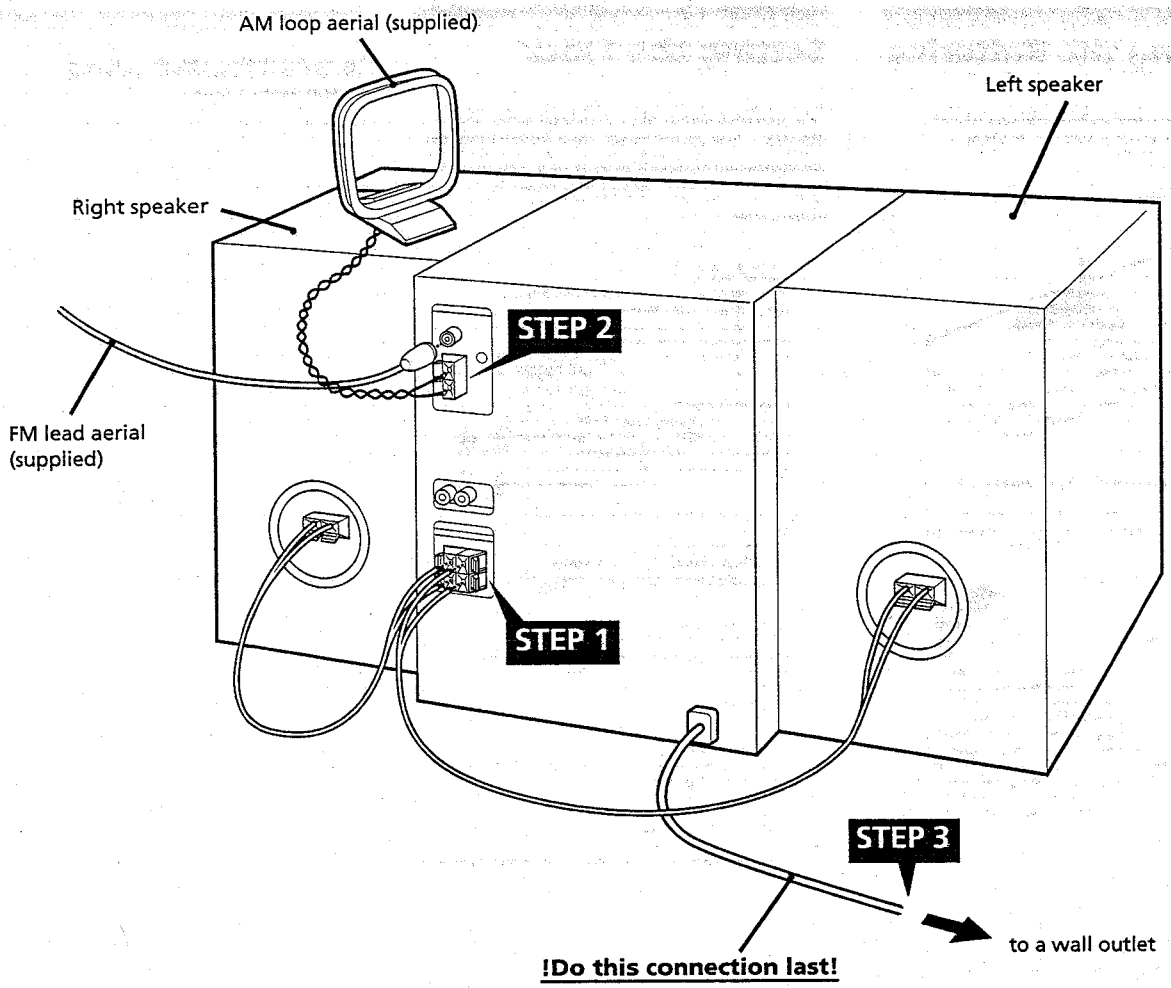
To improve the FM reception

Connect an outdoor FM aerial to the FM 75Ω COAXIAL terminal, using a 75-ohm coaxial cable and IEC standard socket connector.

Important

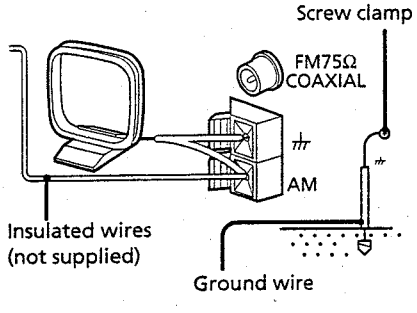
Ground the external aerial from ⏚ terminal against lightning with the screw clamp. To prevent a gas explosion, do not connect the ground wire to a gas pipe.





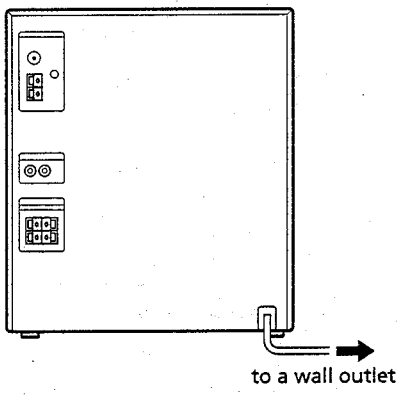
To improve the AM reception
After you connect the AM aerial, connect a 6- to 15-meter insulated wire to the AM terminal. Connect the ⏚ terminal to earth.

Important
Ground the external aerial from ⏚ terminal against lightning with the screw clamp. To prevent a gas explosion, do not connect the ground wire to a gas pipe.



STEP 3 Connecting the Power

Connect the mains lead to a wall outlet after you have made all the above connections.

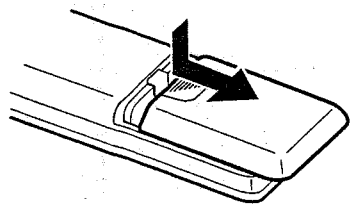


Caution
Before you power on the stereo, turn the VOLUME control counterclockwise to decrease the sound level.

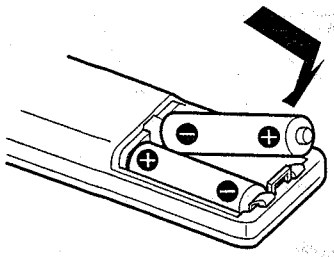
Inserting the Batteries

Insert two R6 (size AA) batteries in the supplied remote for remote control.

1 Open the lid.



2 Insert two R6 (size AA) batteries. Match the + and – indications to the diagram in the battery compartment.



3 Close the lid.

Battery life

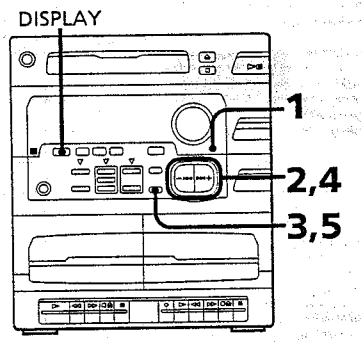
You can expect the remote to operate for about six months (using Sony SUM-3 (NS) batteries) before the batteries run down. When the batteries no longer operate the remote, replace both batteries with new ones.

To avoid battery leakage

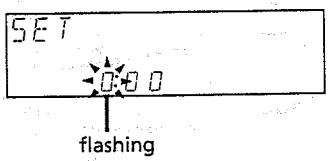
If you are not going to use the remote for a long time, remove the batteries to avoid damage caused by corrosion from battery leakage.

Setting the Clock

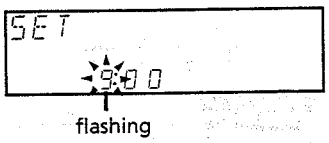
The built-in clock shows the time in the display. You need to set the clock to utilise the timer-activated features of your stereo system. The clock shows the time in the 24 hour cycle.



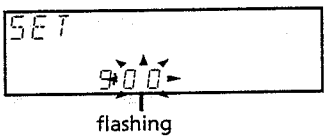
1 Press CLOCK SET.
The hour indication begins flashing.



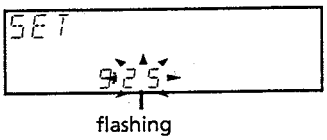
2 Set the current hour by pressing ⊳⊳I + or – I⊲⊲ until the correct hour appears.



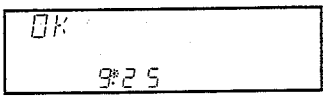
3 Press ENTER/NEXT.
The minutes indication begins flashing.



4 Set the current minute by pressing ⊳⊳I + or – I⊲⊲ until the correct minute appears.



5 Press ENTER/NEXT.
Use the time signal to set the clock accurately.
"OK" appears in the display and the clock starts.



To check the time while power is on

Press DISPLAY.

The current time appears for a few seconds.

To correct the clock setting

Repeat steps 1 to 5.

Chapter 2: the CD Player

Playing a CD (normal play)

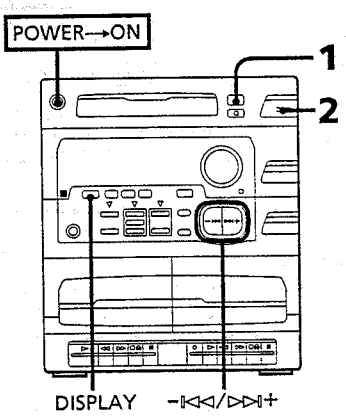
Playing Tracks in Random Order (shuffle play)

Playing Tracks in the Desired Order (programme play)

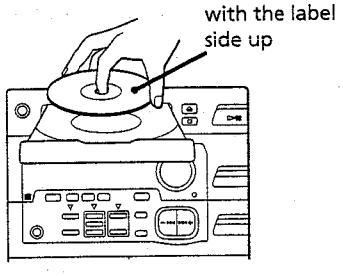
Playing Tracks Repeatedly (repeat play)

Playing a CD (normal play)

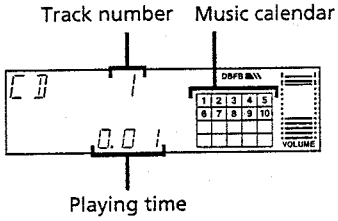
You can play CDs in four modes: normal, shuffle, programme and repeat. The mode decides which tracks (songs) you will listen to, in which order and whether or not they will repeat.
Also, you can play 12 cm and 8 cm CDs. If the CD is supplied with an adaptor, remove it before playing the CD.
Before you play the CD, decrease the sound level by turning VOLUME control counterclockwise, not to damage the speakers.
Use the buttons on the unit to do this operation.



1 Press ⏏ OPEN/CLOSE and place a CD on the CD tray.



2 Press ⏯ (play).
The CD tray closes and play starts.



To	Press
Stop play	■
Pause	⏯ (II*)
Resume play	⏯ (CD ► or II*)
Remove the CD	⏏ OPEN/CLOSE

* Remote

To find the beginning of a track – Automatic Music Sensor (AMS)

You can locate the beginning of a track while the track is playing or while it is in pause mode.

To locate the beginning of the current or preceding track, press –⏮ (or press ⏮ on the remote) until you find the desired track.

To locate the beginning of the succeeding track, press ⏭ + (or press ⏭ on the remote) until you find the desired track.

To find a point in a track

You can find a particular point in a track while the track is playing or while it is in pause mode. Use the buttons on the remote to operate this feature.
This operation is not possible with the unit.

To	Do this
Find forward quickly in a track	Hold down ▶▶ and release it at the desired point.
Go backwards quickly in a track	Hold down ◀◀ and release it at the desired point.
Search quickly without listening	Press II and hold down ▶▶ or ◀◀. Press II again at the desired point.

To check the remaining or total playing time

Press DISPLAY repeatedly.
Each time you press DISPLAY while playing a CD, the display changes as follows.

Playing time on the current track
↓
Remaining time on the current track
↓
Remaining time on the CD
↓
Clock (appears for a few seconds)

Notes

- You can check the remaining time during normal, shuffle and programme play.
- The total playing time and number of tracks also appear in the display when you press ⏏ OPEN/CLOSE to close the CD tray.

One Touch Play feature

Press ⏯ (or CD ► on the remote) when the power is off.
You can listen to the CD without pressing any other buttons when a CD is in the player.

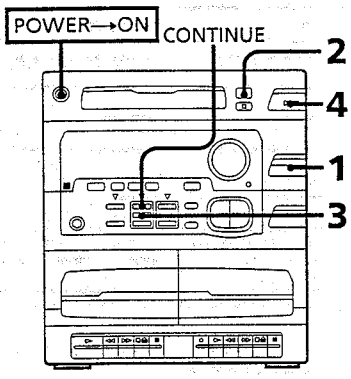
Automatic Source Selection

If you press ⏯ (or CD ► on the remote) while you are listening to other sound source, the CD player is selected and the play starts automatically.

If there is no CD in the player
"NO DISC" appears in the display. If you press ▷II (or CD ► on the remote) while the indication is on, the CD tray will open automatically.

Playing Tracks in Random Order (shuffle play)

You can play all the tracks on the CD in random order.
Use the buttons on the unit to do this operation.



1 Press FUNCTION repeatedly until "CD" appears in the display.

2 Press ⏏ OPEN/CLOSE and place a CD on the CD tray. Then, press ⏏ OPEN/CLOSE again to close the CD tray.

3 Press SHUFFLE.
"DISC" and "SHUFFLE" appear in the display.

4 Press ▷II.
"🔀" appears and then all the tracks play in random order.

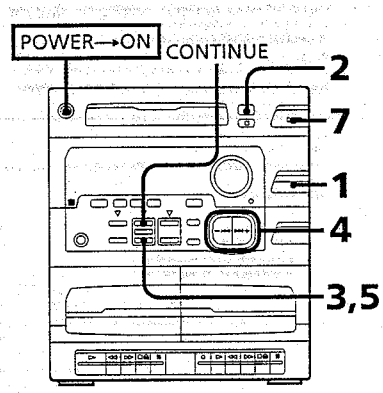
To cancel shuffle play
Press CONTINUE.
"DISC" and "SHUFFLE" disappear from the display, and tracks continue playing in their original order.

If you press SHUFFLE during normal play
You can play all the tracks on the CD in random order.

To skip an undesired track
Press ▷▷I + (or press ►►I on the remote).

Playing Tracks in the Desired Order (programme play)

You can programme up to 32 tracks to play in any order you choose. You can do this by designating the tracks in the order you want them to play.

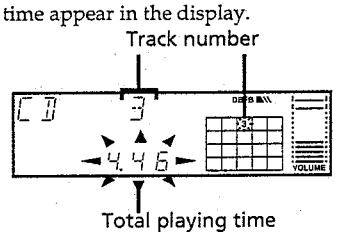


1 Press FUNCTION repeatedly until "CD" appears in the display.

2 Press ⏏ OPEN/CLOSE and place a CD on the CD tray. Then, press ⏏ OPEN/CLOSE again to close the CD tray.

3 Press PROGRAM.
"DISC" and "PROGRAM" appear in the display.

4 Press ▷▷I + or – I◁◁ to choose a track.
The track number and the total playing time appear in the display.



If you want to choose this track, go to the next step. If not, press ▷▷I + or –I◁◁ again to choose another track.

5 Press PROGRAM.
The chosen track number lights up in the music calendar. If the track number and the total playing time disappear before you press PROGRAM, go back to step 4.

6 Repeat steps 4 and 5 to programme the remaining tracks you want to play in the order you want them to play.

7 Press ▷II.
All the tracks play in the order you chose.

To	Press
Check the programme	CHECK on the remote repeatedly*1
Programme a pause	II on the remote*2
Stop play	■
Cancel the programme play	CONTINUE*3
Erase a track from the end	CLEAR on the remote in stop mode
Erase a specific track	CHECK repeatedly so the number of the track lights up, and press CLEAR
Erase the entire programme	■ once in stop mode, twice during play

*1 After the last track appears, "CHECK END" appears in the display.
*2 "P" appears in the display and the total playing time is reset to 0.00.
*3 The programme has been erased and the play continues in normal play mode.

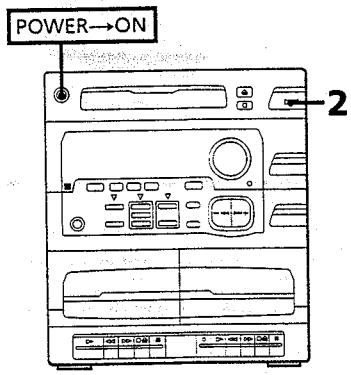
To change the order of programmed tracks
To change the order, erase the entire programme and create a new one.

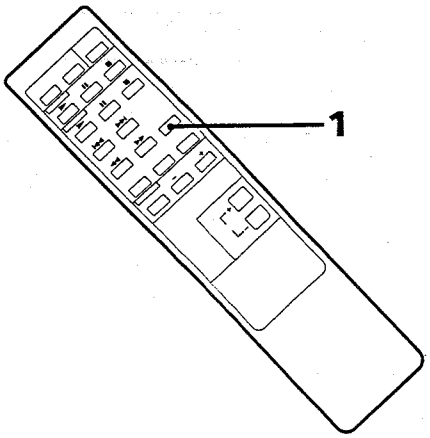
After all the programmed tracks have been played
The programme order remains in the CD player's memory, so that you can listen to the same programme by just pressing ▷II on the CD player.

Note
If "- - . - - " appears instead of the total playing time, this means:
- the total programmed time has exceeded 100 minutes, or
- you have programmed a track number which exceeds 20.

Playing Tracks Repeatedly (repeat play)

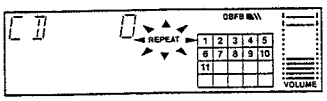
You can choose between two different repeat play modes. One repeats all the tracks in the current play mode; the other repeats a single track.
Use the buttons on both the unit and the remote to do this operation.





Repeating all the tracks (in any play mode)

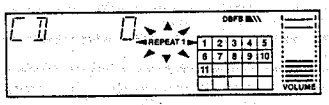
1 Press REPEAT repeatedly until "REPEAT" appears in the display.



2 Press ▷II.

Repeating a single track (in normal play mode only)

While the desired track is being played, press REPEAT repeatedly until "REPEAT 1" appears in the display.



To cancel repeat play

Press REPEAT repeatedly until "REPEAT" or "REPEAT 1" disappears from the display.

Chapter 3: the Radio

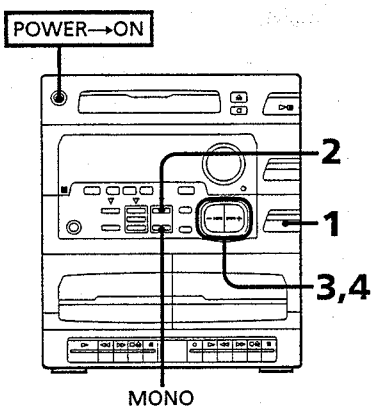
Listening to the Radio

Presetting Radio Stations

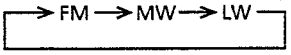
Playing Preset Radio Stations

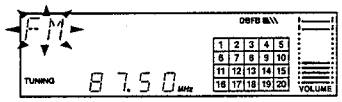
Listening to the Radio

When you want to play a radio programme, you can have the tuner automatically scan the radio frequencies and tune in the stations with clear signals. This feature saves you time in searching for stations with clear signals. However, stations with weak signals may be skipped by automatic tuning. Manually tune in the ones skipped by automatic tuning.



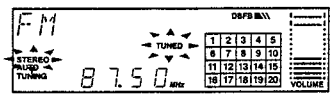
1 Press TUNER/BAND repeatedly until the band you want appears in the display.
As you press TUNER/BAND, the band changes as follows:





2 Press TUNING MODE repeatedly until "AUTO TUNING" appears in the display.

3 Press ⊳⊳| + to scan a higher frequency station. To tune in a lower frequency station, press – |⊲⊲.
The tuner starts scanning radio frequencies automatically, and stops when it finds a clear station.
"TUNED" appears in the display.
"STEREO" also appears if the FM station tuned is broadcasting in stereo.



4 If you do not want to listen to the station selected, press ⊳⊳| + or – |⊲⊲ again to restart the scan.

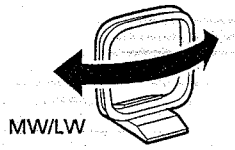
When the desired station is not tuned in

Automatic tuning may skip the station with a weak signal. Tune in the station manually.

1 Press TUNING MODE repeatedly until "TUNING" appears in the display.
2 Press ⊳⊳| + or – |⊲⊲ repeatedly until the desired station is tuned in.

To improve AM broadcast reception

Reorient the supplied AM loop aerial for MW and LW.



When an FM programme is not clear to receive

Press MONO so that "MONO" appears in the display. There will be no stereo effect, but the reception will improve. Press MONO again to restore the stereo effect.

One Touch Play feature

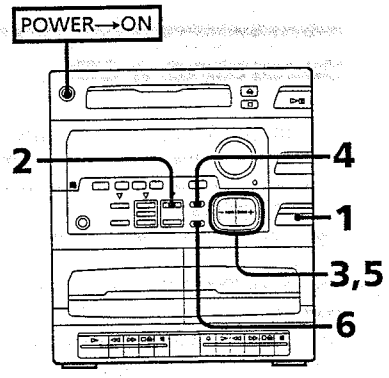
Press TUNER/BAND (or BAND on the remote) when the power is off.
You can listen to the last received station without pressing any other buttons.

Automatic Source Selection

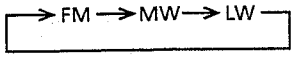
If you press TUNER/BAND (or BAND on the remote) while you are listening to other sound source, the tuner is selected and the last received station plays automatically.

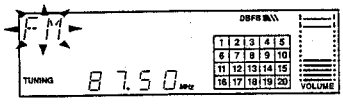
Presetting Radio Stations

You can store radio frequencies in the tuner's memory to tune in your favourite stations quickly. You can preset up to 20 FM stations, 10 MW stations and 10 LW stations in any order.
Use the buttons on the unit to do this operation.



1 Press TUNER/BAND repeatedly until the band you want appears in the display.

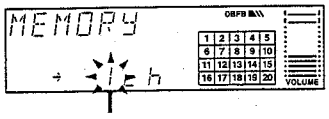




2 Press TUNING MODE repeatedly until "TUNING" or "AUTO TUNING" appears in the display.

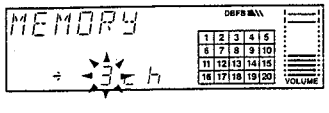
3 Press ⊳⊳| + or – |⊲⊲ to tune in the station you want to store.

4 Press TUNER MEMORY.
"MEMORY" and the preset channel number appear in the display.



Preset channel number

5 Decide on a preset channel number for the radio station (1 to 20 for FM, 1 to 10 for MW and LW). Press ⊳⊳| + or – |⊲⊲ to display the preset channel number you have decided on, while "MEMORY" is lit (for about eight seconds).



6 Press ENTER/NEXT.
The station is stored at the preset channel number you have decided on.

7 Repeat steps 3 to 6 for each station you want to store.

To erase a stored station

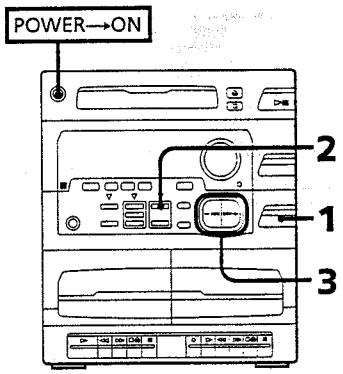
Store a new station at a previously used preset channel number. It will erase the old station and replace it with the new station.

If you have trouble storing a station

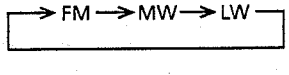
Make sure "MEMORY" is lit in the display. If not, press TUNER MEMORY again so that "MEMORY" appears (for about eight seconds) in the display, and then proceed with steps 5 and 6.

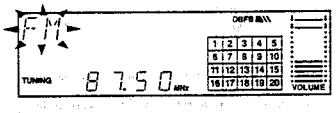
Playing Preset Radio Stations

Once you have preset the stations, use ⊳⊳| + or – |⊲⊲ to quickly tune in your favourite stations.



1 Press TUNER/BAND repeatedly to select the desired band.





2 Press TUNING MODE repeatedly until "PRESET" appears in the display.

3 Press ⊳⊳| + or – |⊲⊲ (or press PRESET (+/–) on the remote) to tune in a preset station.
The station frequency appears and the station begins broadcasting.

Chapter 4: the Tape Player

Playing a Tape

Recording a CD

Recording a CD: Specifying Tape Length (time edit)

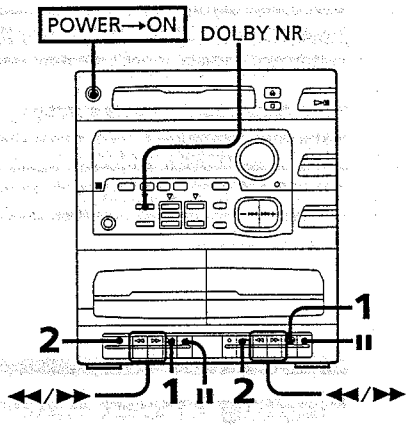
Recording a CD: Specifying Track Order (programme edit)

Recording From the Radio

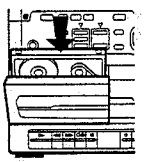
Recording From Another Tape (dubbing)

Playing a Tape

You can use TYPE I (normal), TYPE II (CrO_2) and TYPE IV (metal) tapes. When you insert a tape, the deck detects the tape type automatically.



1 Press ■ ⏏ to open the tape compartment. Insert a recorded tape into deck A or B with the tape side down and the side you want to play facing forward. Push to close the compartment.



2 Press ▷.
The tape starts playing.

To	Press
Stop play	■ ⏏
Pause	II
Resume play after pause	II
Fast forward	▶▶ for front side ◀◀ for reverse side
Rewind	◀◀ for front side ▶▶ for reverse side
Remove the tape	■ ⏏

When listening to a tape recorded with the Dolby* B-type noise reduction system
Press DOLBY NR so that the lamp on that button lights up.
Dolby noise reduction system reduces tape hiss noise in low-level high-frequency signals.

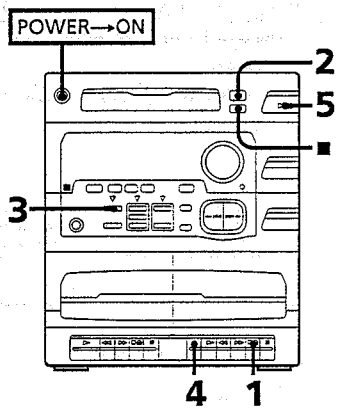
* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and double-D symbol ⊡⊡ are trademarks of Dolby Laboratories Licensing Corporation.

One Touch Play feature
Press ▷ when the power is off.
You can listen to the tape without pressing any other buttons when a tape is in the deck. When a tape is not in the deck, the system will just turn on.

Automatic Source Selection
If you press ▷ while you are listening to other sound source, the tape deck is selected and the play starts automatically.

Recording a CD

You can record from a CD to a tape. You can also record the sound adjusted by the equalizer onto a tape. (See "Selecting the Audio Emphasis".)
Use TYPE I (normal) or TYPE II (CrO_2) tapes.
Do not use TYPE IV (metal) tapes for recording.
To listen to other sources while recording, you must stop recording.



1 Press ■ ⏏ and insert a blank tape into deck B with the side you want to record on facing forward.
Make sure the tabs on the cassette have not been removed.

2 Press ⏏ OPEN/CLOSE and place a CD. Then, press ⏏ OPEN/CLOSE again to close the CD tray.

3 When you want to reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that the lamp on that button lights up.

4 Press ● (▷ is linked and depressed at the same time) on deck B.
Recording starts.

5 Press ▷II on the CD player.
The CD starts playing.

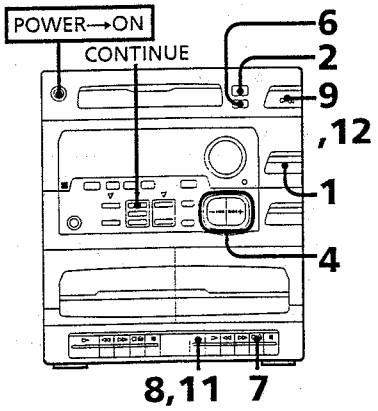
To	Press
Stop recording	■ ⏏
Pause recording	II
Stop CD play	■ on the CD player
Pause CD play	▷II on the CD player

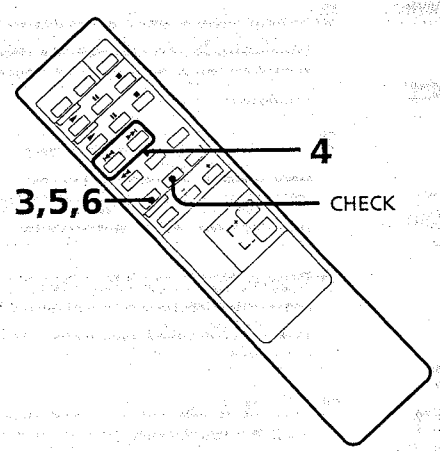
To stop recording
Press ■ ⏏ on deck B.

Adjusting the volume or DBFB will not affect the recording level
But these controls will change the sound levels you hear through speakers or headphones.

Recording a CD: Specifying Tape Length (time edit)

You can have the stereo system create programmes based on the tape length. The CD player makes programmes that will fit the tape length. For example, if you use a 40-minute tape to record a 46- minute CD, the CD player will automatically choose tracks that will fit within the 40-minutes, filling as much of the tape as possible. The player will not programme those tracks beyond track number 20. Use the buttons on both the unit and the remote to do this operation.



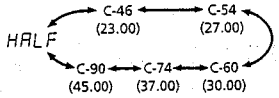


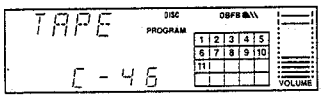
1 Press FUNCTION repeatedly until "CD" appears in the display.

2 Press ⏏ OPEN/CLOSE and place a CD. Then, press ⏏ OPEN/CLOSE again to close the CD tray.

3 Press EDIT.
"TIME EDIT" appears in the display.

4 Press ▷▷I + or – I◁◁ (or press ▶▶I or I◀◀ on the remote) to designate the tape length.
Choose the indication for tapes of a corresponding minute length. Choose "HALF" if you want the CD player to play just half the total playing time of the CD.
As you press ▷▷I + or – I◁◁, the indication changes as follows:

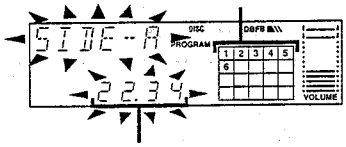




You cannot select "HALF" when you want to record CD which has more than 20 tracks.

5 Press EDIT.
The CD player determines the tracks to be recorded on side A automatically.

Tracks to be recorded on side A



Total playing time on side A

6 When you want to record on both sides, press EDIT again.
The CD player determines the tracks to be recorded on side B.
When you want to record only on side A, press ■ on the CD player to stop the indication from flashing.

7 Press ■ ⏏ and insert a blank tape into deck B with the side you want to record on facing forward.
Make sure the tabs on the cassette have not been removed.

8 Press ● (▷ is linked and depressed at the same time) on deck B.
Recording starts.

9 Press ▷II on the CD player.
The determined tracks for side A starts playing and are recorded. After those tracks have been recorded, the unit will pause.

10 Set the tape to the beginning of side B.
Take the tape out and insert the tape with side B facing forward.

11 Press ● (▷ is linked and depressed at the same time) on deck B.
Recording starts.

12 Press ▷II on the CD player.
The determined tracks for side B starts playing and are recorded.

To stop recording
Press ■ ⏏ on deck B.

To check the order
Press CHECK repeatedly.
Each time you press CHECK, the number of the programmed tracks appear in the display.

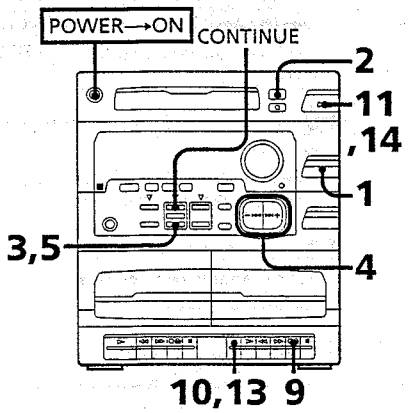
To cancel time edit
Before you press EDIT on step 5, press ■ on the CD player to cancel. After you pressed EDIT on step 5, press CONTINUE.

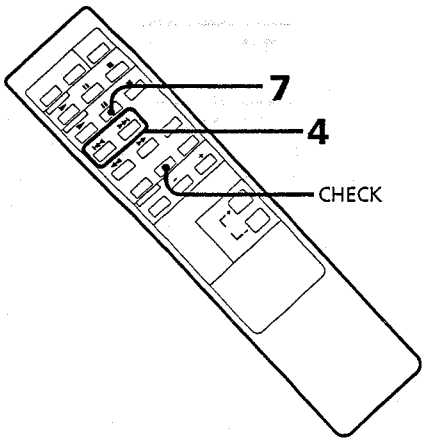
To select the desired tracks beforehand
You can place priority on some tracks to be recorded by selecting them before programming (only up to 20 tracks). See "Playing Tracks in the Desired Order (programme play)".

To activate DOLBY NR
When you want to reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that the lamp on that button lights up after step 7.

Recording a CD: Specifying Track Order (programme edit)

You can adjust the total recording time to the tape length while making a programme. Use the buttons on both the unit and the remote to do this operation.





1 Press FUNCTION repeatedly until "CD" appears in the display.

2 Press ⏏ OPEN/CLOSE and place a CD. Then, press ⏏ OPEN/CLOSE again to close the CD tray.

3 Press PROGRAM.
"DISC" and "PROGRAM" appears in the display.

4 Press ▷▷| + or – |◁◁ (or press ▶▶| or |◀◀ on the remote) to choose a track.

5 Press PROGRAM.
The chosen track number lights up in the music calendar and is memorized. If the track number disappears before you press PROGRAM, go back to step 4.

6 Repeat steps 4 and 5 to programme the remaining tracks you want to record on side A in the order you want them to be recorded.

7 Press ❚❚ on the remote to pause recording at the end of side A.
"P" appears in the display. The total playing time "0.00" is displayed.

8 Repeat steps 4 and 5 to programme the remaining tracks you want to record on side B in the order you want them to be recorded.

9 Press ■ ⏏ and insert a blank tape into deck B with the side you want to record on facing forward.
Make sure the tabs on the cassette have not been removed.

10 Press ● (▻ is linked and depressed at the same time) on deck B.
Recording starts.

11 Press ▷❚❚ on the CD player.
The determined tracks for side A starts playing and are recorded. After those tracks have been recorded, the unit will pause.

12 Set the tape to the beginning of side B.
Take the tape out and insert the tape with side B facing forward.

13 Press ● (▻ is linked and depressed at the same time) on deck B.
Recording starts.

14 Press ▷❚❚ on the CD player.
The determined tracks for side B starts playing and are recorded.

To stop recording
Press ■ ⏏ on deck B.

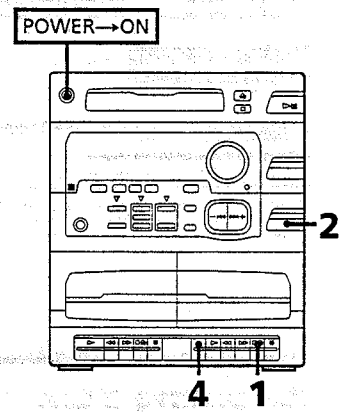
To check the order
Press CHECK repeatedly.
Each time you press CHECK, the number of the programmed tracks appear in the display.

To cancel programme edit
Press CONTINUE.

To activate DOLBY NR
When you want to reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that the lamp on that button lights up after step 9.

Recording From the Radio

You can record from the tuner onto a tape. Use TYPE I (normal) or TYPE II (CrO_2) tape.



1 Press ■ ⏏ and insert a blank tape into deck B with the side you want to record on facing forward.
Make sure the tabs on the cassette have not been removed.

2 Press TUNER/BAND several times until the desired radio band appears.

3 Tune in the radio station you want to record. (See "Listening to the Radio" or "Playing Preset Radio Stations" for details.)

4 Press ● (▻ is linked and depressed at the same time) on deck B.
Recording starts.

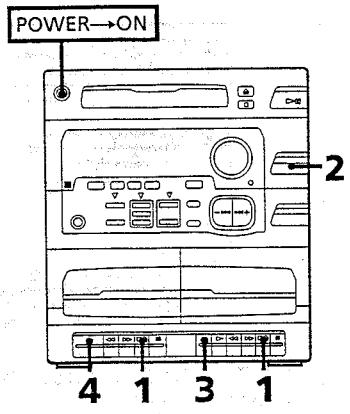
To stop recording
Press ■ ⏏ on deck B.

To reduce noise during AM recording
If a whistling noise is heard while recording, reorient the AM loop aerial for optimum reception.

To activate DOLBY NR
When you want to reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that the lamp on that button lights up after step 3.

Recording From Another Tape (dubbing)

You can record the tape onto another. Use the buttons on the unit and TYPE I (normal) or TYPE II (CrO_2) tape for dubbing.



1 Press ■ ⏏ and insert a recorded tape into deck A with the side you want to play facing forward.
Also, insert a blank tape into deck B with the side you want to record on facing forward. Make sure the tabs on the cassette have not been removed.

2 Press FUNCTION repeatedly until "TAPE" appears in the display.

3 Press ● (▷ is linked and depressed at the same time) on deck B.
Recording starts.

4 Press ▷ on deck A.
The tape on deck A starts playing.

To stop recording
Press ■ ⏏ on deck B.

Notes
- You cannot dub the tape recorded with the DOLBY NR B effect onto another tape with the DOLBY NR B effect off.
- If you want to dub the tape not recorded with the DOLBY NR B onto another tape with the DOLBY NR B effect on, press DOLBY NR so that the lamp on that button lights up after step 2.

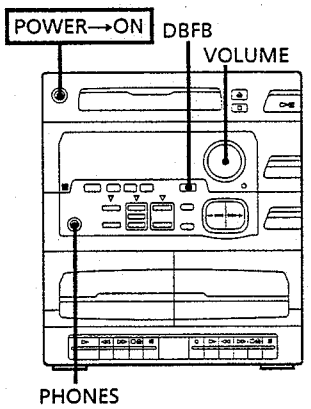
Chapter 5: Sound Adjustment

Adjusting the Sound

Selecting the Audio Emphasis

Adjusting the Sound

To fully enjoy the sound coming from your stereo system, make the following audio adjustments. See sections following this one for additional sound adjustments.



To adjust the volume
Turn VOLUME on the unit or press VOL (+/–) on the remote.

To reinforce bass
Press DBFB* repeatedly until "DBFB ▮\\\ " or "DBFB ▮\\\\\ " appears in the display. "DBFB ▮\\\\\ " is more effective than "DBFB ▮\\\ ".

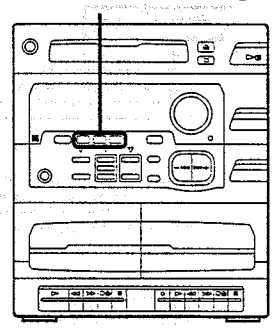
* DBFB = Dynamic Bass Feedback

To listen through the headphones
Connect the headphones to PHONES jack. No sound will come from the speakers.

Selecting the Audio Emphasis

Your stereo system has been factory set to five specially recommended audio emphases. Choose from among these five preset settings according to the type of music you are listening to.

Preset equalizer setting buttons



Press the desired preset equalizer setting button on the unit.
The lamp on the selected button lights up.
When you select the audio emphasis with surround effect, "SUR ||||■|||| " appears in the display.

Press	To get
ROCK	Powerful, clear sounds, emphasizing low and high audio
POPS	Light, bright sounds, emphasizing high and middle range audio
JAZZ	Percussive sounds, emphasizing bass audio

To cancel the audio emphasis
Press the selected button again so that the lamp on that button goes off.

Note
In the following cases, ensure to cancel the audio emphasis mode.
- When you record a CD whose recording sound level is too high onto a tape: there may be cases where the playback sound of that tape becomes distorted with the audio emphasis effect on.
- When playing a tape which is recorded with the audio emphasis effect on: the tape is played with the audio emphasis effect being put on twice and the playback sound may become distorted.

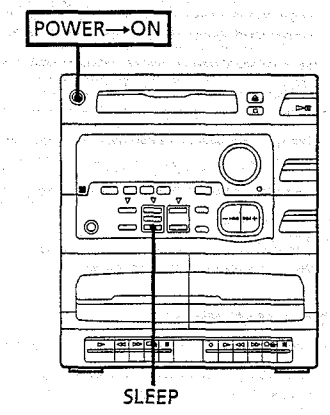
Chapter 6: Additional Features

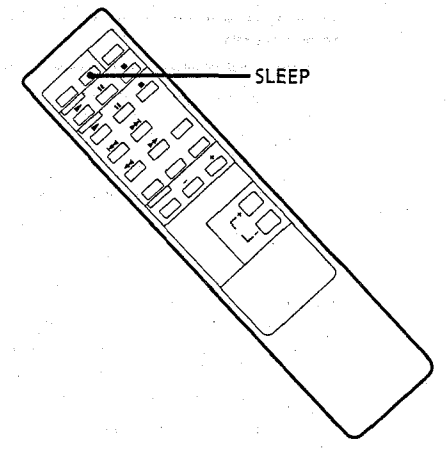
Falling Asleep to Music

Connecting Optional Equipment

Falling Asleep to Music

You can set the stereo system to turn off automatically so you can go to sleep to music.
Before setting sleep timer, make sure the clock has been set correctly.
Use the buttons on both the unit and the remote to do this operation.

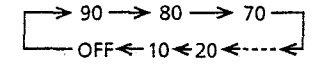


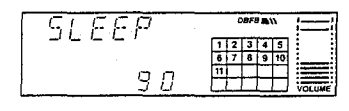


1 *Play your favourite sound source* (a tape, the tuner or CD).

2 Press SLEEP while the source is playing to choose how long you want the music to play.
"SLEEP" and minutes indication appear in the display. As you press SLEEP, the indication decreases by ten minutes from 90 to 10.

The power will turn off after 90 to 10 minutes depending on the length of time you chose.





To cancel the sleep timer
Press SLEEP repeatedly until "SLEEP OFF" appears in the display.

To check the remaining time before the sleep timer turns off the system
Press SLEEP once.
The remaining time is displayed in minutes for several seconds.

To change the preset time while the sleep timer is on
Press SLEEP several times until the desired length of time indication appears.

Connecting Optional Equipment

For greater enjoyment of your stereo system, you can connect other components to the stereo. You can connect:

- a turntable to the AUX IN jacks
- headphones to the PHONES jack on the front of the tape player

To connect a turntable
You can connect a turntable (Sony PS-J10 etc.) equipped with a head amplifier directly to this stereo system. However if the turntable you want to use has no head amplifier, connect the head amplifier Sony EQ-2 (not supplied) and connecting cord Sony RK-C 315 (not supplied) in between the turntable and this stereo system.

1 Connect the turntable to the AUX IN jacks on the rear panel of the stereo.
2 Press *FUNCTION* so that "AUX" appears in the display.
The turntable sound comes through the speakers.
You can also record the turntable sound.

For Your Information

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Precautions

If you have any questions or problems concerning your stereo system, please consult your nearest Sony dealer.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if this unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the component, unplug the stereo system and have the component checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

On installation

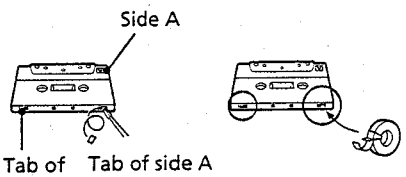
Place the stereo system in a location with adequate ventilation to prevent heat build-up in the stereo system.

On condensation in the CD player component

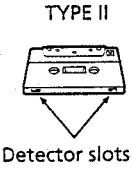
If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the CD player will not operate. Remove the CD and leave the system turned on for about an hour until the moisture evaporates.

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated. If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.



When you are using a type II (CrO2) tape, be careful not to cover the detector slots which allow the tape player to automatically detect the type of tape.



Troubleshooting Guide

If you run into any problem using the stereo, use the following check list and first check the following points:

- The mains lead is connected firmly.
- The speakers are connected correctly and firmly.

Should any problem persist after you have made the checks below, consult your nearest Sony dealer.

Tuner

"TUNED" flashes in the display.

→ Adjust the aerial.

"STEREO" flashes in the display.

→ Adjust the aerial.

Severe hum or noise.

→ Adjust the aerial.
→ The signal strength is too weak. Connect the external aerial.
→ Connect the ground wire.

A stereo FM programme cannot be received in stereo.

→ Press MONO so that "STEREO" appears.

Tape Player

The tape does not record.
→ No tape in the tape compartment.
→ The tab has been removed from the cassette.
→ The tape has reeled to the end.

The tape does not record nor playback or there is a decrease in sound level.
→ The heads are dirty. Clean them.
→ Magnetic deposits have built-up on the record/playback head*.

There is excessive wow or flutter, or the sound drops out.
→ The capstans or pinch rollers are contaminated*.

The tape does not erase completely.
→ Magnetic deposits have built-up on the record/playback heads*.

Noise increases or the high frequencies are erased.
→ Magnetic deposits have built-up on the record/playback heads*.

* See "Maintenance."

CD Player

The CD tray does not close.
→ The CD is not placed correctly.

The CD will not play.
→ The CD is dirty.
→ The CD is inserted label side down.
→ The player is in pause mode.
→ Moisture condensation has builtup. Leave the system turned on for about an hour until the moisture evaporates.

Play does not start from the first track.
→ The CD player is in programme or shuffle mode. Press CONTINUE.

" ┐┐ " is displayed.
→ ▶▶ on the remote was repeatedly pressed at the end of the CD. Press – ⏮ (or press ⏮ on the remote) to return to the normal display.

General

There is no sound.
→ Turn VOLUME clockwise.
→ The headphones are connected. Disconnect them.

Sound comes from one channel or unbalanced left and right volume.
→ Check the speaker connections of the inoperative channel.

The left and right sound are reversed.
→ Check the speaker connection and speaker placement.

Bass is lacking or the location of the musical instruments is apparently imprecise.
→ Check the speaker connection for proper phasing.

There is severe hum or noise.
→ TV or VCR is too close to the stereo system. Move the stereo system away from the TV or VCR.

"0:00" flashes in the display.
→ A power interruption occured. Set the clock and timer settings again.

The remote does not function.
→ The batteries have run down. Replace both batteries.
→ There is an obstacle between the remote and the system. Remove the obstacle.

Restoring the factory settings

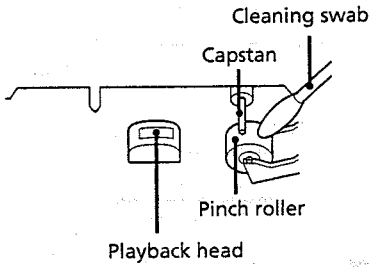
Unplug the mains lead and then plug it back into the wall outlet.
Press DISPLAY, TUNER/BAND and ROCK at the same time.

Maintenance

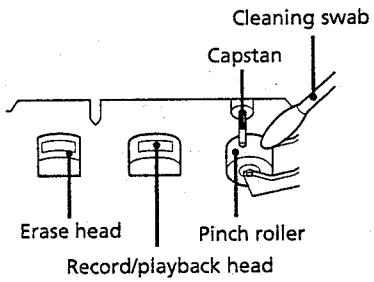
To clean the tape heads and tape path
Contaminated tape heads cause poor recording or sound drop-out in playback. We recommend cleaning after every 10 hours of operation.

Open the tape compartment and wipe the heads, the pinch rollers and the capstans with a cleaning swab slightly moistened with cleaning fluid or alcohol. Wipe the parts shown below:

Deck A



Deck B



Insert a tape when the areas cleaned are completely dry.

To demagnetize the tape heads
After 20 to 30 hours of use, enough residual magnetism will have built up on the heads to begin to cause loss of high frequencies and hiss. At this time, demagnetize the heads and all metal parts in the tape path with a commercially available tape head demagnetizer. Refer to the instructions of the demagnetizer.

To clean the cabinet
Use a soft cloth slightly moistened with mild detergent solution.

To clean the CD
When a CD is dirty, clean it with a cleaning cloth. Wipe the CD from the centre out.

Notes on CD
- Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.
- If there is a scratch, dirt or fingerprints on the CD, it may cause a tracking error.

Specifications

CD player section

System: Compact disc digital audio system
Laser: Semiconductor laser
Wavelength: 780 – 790 nm
Frequency response: 2 Hz – 20 kHz

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range
For East European Countries: 65 – 74 MHz, 87.5 – 108.0 MHz
For other countries: 87.5 – 108.0 MHz (50 kHz step)
Aerial: FM lead aerial
Aerial terminals: 75 ohm unbalanced
Intermediate frequency: 10.7 MHz

AM tuner section

Tuning range: MW: 531 – 1,602 kHz
LW: 153 – 279 kHz
Aerial: AM loop aerial
External aerial terminals
Intermediate frequency: 450 kHz

Tape player section

Recording system: 4-track 2-channel stereo
Frequency response: (DOLBY NR OFF)
60 – 13,000 Hz (±3 dB), using Sony TYPE I cassette
60 – 14,000 Hz (±3 dB), using Sony TYPE II cassette
Wow and flutter: 0.1% WRMS ±0.3% (DIN)

Amplifier section

Continuous RMS power output: 16 + 16 W (6 ohms at 1 kHz, DIN)
20 + 20 W (6 ohms at 1 kHz, 5% THD)
Music power output: 35 + 35 W (6 ohms at 1 kHz, 10% THD)

Inputs
AUX IN: Sensitivity 450 mV, impedance 47 kilohms

Outputs
PHONES (stereo phone jack): accept headphones of 8 ohms or more.
SPEAKER: accept impedance of 6 to 16 ohms.

Speaker section

Speaker system: 2-way system
Speaker units: Woofer: 14 cm dia., cone type
Tweeter: 5 cm dia., cone type
Enclosure: Bass reflex
Frequency range: 60 Hz – 20 kHz
Sensitivity: 87 dB/W/m
Rated impedance: 6 ohms
Dimensions: Approx. 210 x 325 x 250 mm (w/h/d)
Mass: Approx. 3.6 kg net per speaker

Supplied accessories

AM loop aerial (1)
Remote (1)
Sony SUM-3 (NS) batteries (2)
FM lead aerial (1)
Speaker cables (2)

General

Power requirement: 220 – 230 V AC, 50/60 Hz
Power consumption: 60 W
Dimensions: Approx. 280 x 325 x 335 mm (w/h/d) incl. projecting parts and controls
Mass: Approx. 8 kg

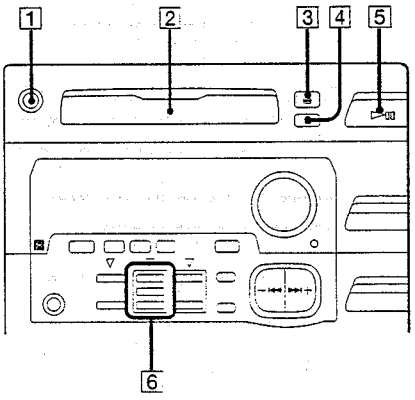
Design and specifications are subject to change without notice.

Index to Parts and Controls

Refer to the pages indicated in parentheses for how to use the controls.
Controls with an asterisk have indicators on themselves.

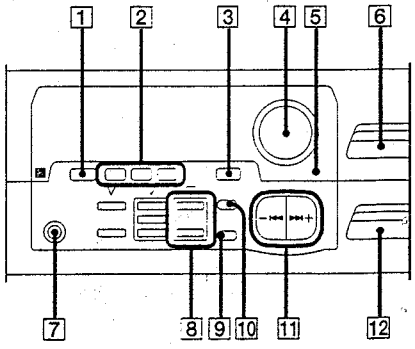
Front Panel

CD player



1 SYSTEM POWER ON/STAND BY switch (7)
2 CD tray (7)
3 ⏏ OPEN / CLOSE button (7)
4 ■ (stop) button (7)
5 ▷II (play and pause) button (7)
6 CD operating buttons
CONTINUE button (8)
SHUFFLE button (8)
PROGRAM button (8)

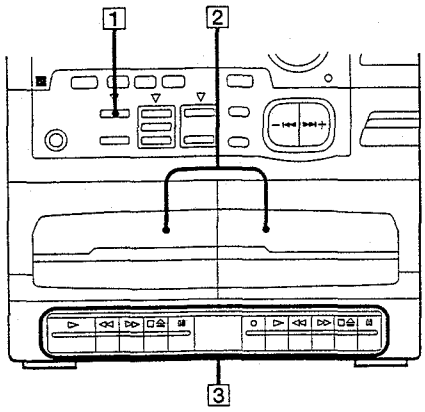
Tuner/Amplifier



1 DISPLAY button (6,7)
2 Preset equalizer setting buttons* (16)
3 DBFB button (16)
4 VOLUME control (16)
5 CLOCK SET button (6)
6 FUNCTION button (8,13,17)
7 PHONES jack (16)

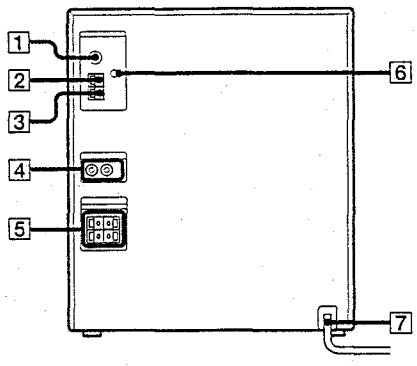
8 Tuner operating buttons
TUNING MODE button (10)
MONO button (10)
9 ENTER/NEXT button (6,11)
10 TUNER MEMORY button (11)
11 – ⏮/⏭ + buttons (6,7,10,13)
12 TUNER/BAND button (10,14)

Tape player



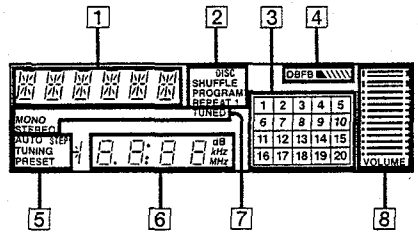
1 DOLBY NR button* (12)
2 Tape compartments (12)
3 Tape operating buttons
▷ (play) (12)
▶▶ (fast rightward) (12)
◀◀ (fast leftward) (12)
■ ⏏ (stop play/eject) (12)
● (recording)(for deck B only) (12)
❚❚ (pause) (12)

Rear panel



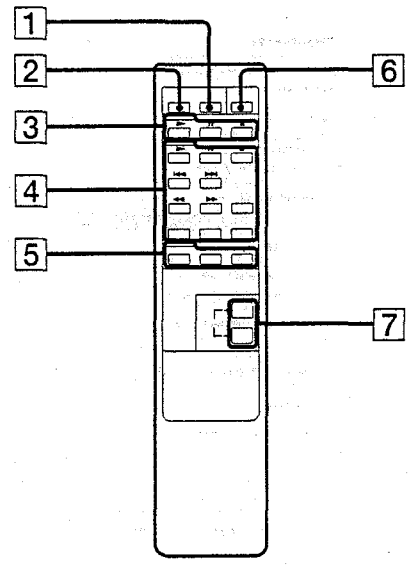
1 FM 75Ω COAXIAL terminal (4)
2 ⏚ earth terminal (4)
3 AM terminal (4)
4 AUX IN jacks (17)
5 SPEAKER connectors (4)
6 ⏚ ground terminal (4)
7 Mains lead (5)

Display window



1 Function indication (8,13,15,17)
2 CD play mode indications (8,9)
3 Music calendar (7)
4 DBFB indication (16)
5 AUTO/TUNING/PRESET/STEP indications (10,11)
6 Frequency/time indication (6,10)
7 Tuner indications (10)
8 VOLUME indication (16)

Remote (RM-S22)



1 SLEEP button (17)
2 FUNCTION button (8,13,15,17)
3 MD operating buttons
► (play) button
❚❚ (pause) button
■ (stop play) button
4 CD operating buttons
► (play) button (7)
❚❚ (pause) button (7)
■ (stop play) button (7)
⏮/⏭ (AMS) buttons (7)
◀◀/▶▶ (fast forward/fast reverse) buttons (7)
REPEAT button (9)
EDIT button (13)
CHECK button (13)
CLEAR button (8)
5 Tuner operating buttons
BAND button (10,14)
PRESET (+/–) buttons (11)
6 SYSTEM POWER button (7)
7 VOL(+/–) buttons (16)

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